	Application No.	Applicant(s)
Interview Summary	10/083,075	DETTINGER ET AL.
	Examiner	Art Unit	
	GWEN LIANG	2162	

All participants (applicant, applicant's representative, PTO personnel):

(1) *GWEN LIANG*.   (3)_____.

(2) *Gero McClellan*.   (4)_____.

Date of Interview: *08 August 2005*.

Type: a)☒ Telephonic   b)☐ Video Conference
       c)☐ Personal [copy given to: 1)☐ applicant   2)☐ applicant's representative]

Exhibit shown or demonstration conducted: d)☐ Yes   e)☒ No.
If Yes, brief description: _____.

Claim(s) discussed: *27,29,30,32,33,35,36,38,40,41,44,46,47,49,51 and 52*.

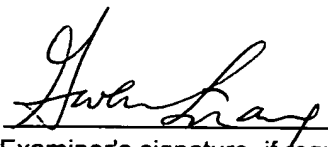Identification of prior art discussed: *U.S. Publication 2003/0208458*.

Agreement with respect to the claims f)☒ was reached.   g)☐ was not reached.   h)☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: *See Continuation Sheet*.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN ONE MONTH FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an
Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews
Paragraph (b)
In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
   (The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: The applicant's representative has agreed to file a timely terminal disclaimer to overcome the provisional double patenting rejection. Additionally, the applicant's representative has agreed and authorized the Examiner to make the following changes:

In the specification, page 24, Abstract:

Remove the title "IMPROVED APPLICATION PORTABILITY AND EXTENSIBILITY THROUGH DATABASE SCHEMA AND QUERY ABSTRACTION".

In the claims:

Replace claim 27 with the following text.
27.   A computer implemented method of providing access to data having a particular physical data representation, comprising:
providing a plurality of logical field definitions, each of the definitions comprising a logical field name, at least one location attribute identifying a location of physical data corresponding to the logical field name, and a reference to an access method selected from at least two different access method types; wherein each of the different access method types defines a different manner of exposing the physical data corresponding to the logical field name of the respective logical field definition: and
providing, for a requesting entity, a query specification defining an interface to the plurality of logical field definitions thereby allowing abstract queries to be composed on the basis of the plurality of logical field definitions.

Replace claim 29 with the following text.
29.   The method of claim 27, wherein the access method types comprise a filtered access method defining a filter applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein the filter removes selected data from the physical data so that only a subset of the physical data is exposed by the respective logical field definition referencing the filtered access method.

Replace claim 30 with the following text.
30.   The method of claim 27, wherein the access method types comprise a composed access method defining an expression applied to physical data located at a location Identified by a respective location attribute of a respective logical field definition, wherein application of the expression produces values different from the physical data to which the expression is applied.

Replace claim 32 with the following text.
32.   The method of claim 27, wherein the abstract query
comprises:
at least one selection criterion specifying at least one condition defined on the basis of the one or more of the plurality of logical field definitions; and
a result specification specifying one or more of the plurality of logical field definitions to be returned as results for each of the abstract queries.

Replace claim 33 with the following text.
33.   A computer implemented method of accessing physical data having a particular physical data representation, comprising:
issuing an abstract query by a requesting entity according to a query specification of the requesting entity; wherein the query specification defines an interface to a data abstraction model defining a plurality of logical field definitions mapping logical fields to the physical data and wherein the abstract query is composed on the basis of the plurality of logical field definitions; and
transforming the abstract query into a query consistent with the particular physical data representation according to the data abstraction model depending on which of the plurality of logical fields definitions are referenced by the abstract query, wherein each of the logical field definitions comprises a logical field name, at least one location attribute identifying a location of physical data corresponding to the logical field name, and a reference to an access method selected from at least two different access method types; wherein each of the different access method types defines a different manner of exposing the physical data corresponding to the logical field name of the respective logical field definition.

Replace claim 35 with the following text.

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35.   The method of claim 33, wherein the access method types comprise a filtered access method defining a filter applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein the filter removes selected data from the physical data so that only a subset of the physical data is exposed by the respective logical field definition referencing the filtered access method.

Replace claim 36 with the following text.
36.   The method of claim 33, wherein the access method types comprise a composed access method defining an expression applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein application of the expression produces values different from the physical data to which the expression is applied.   .

Replace claim 38 with the following text.
38.   A computer readable medium containing a program which, when executed by a processor, performs an operation of providing access to data having a particular physical data representation, the program comprising:
a data abstraction model comprising a plurality of logical field definitions each mapping to different elements of the data, wherein each of the logical field definitions comprises a logical field name, at least one location attribute identifying a location of physical data corresponding to the logical field name, and a reference to an access method selected from at least two different access method types, and wherein each of the different access method types defines a different manner of exposing the physical data corresponding to the logical field name of the respective logical field definition, wherein the data abstraction model is configured to be referenced by a requesting entity to compose abstract queries on the basis of the plurality of logical field definitions.

Replace claim 40 with the following text.
40.   The computer readable medium of claim 38, wherein the access method types comprise a filtered access method defining a filter applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein the fitter removes selected data from the physical data so that only a subset of the physical data is exposed by the respective logical field definition referencing the filtered access method.

Replace claim 41 with the following text.
41.   The computer readable medium of claim 38, wherein the access method types comprise a composed access method defining an expression applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein application of the expression produces values different from the physical data to which the expression is applied.

Replace claim 44 with the following text.
44.   A computer readable medium containing a program which, when executed by a processor, performs an operation of accessing data having a particular physical data representation, the operation comprising:
receiving an abstract query by a requesting entity according to a query
specification of the requesting entity; wherein the query specification defines an interface to a data abstraction model defining a plurality of logical field definitions mapping logical fields to the physical data and wherein the abstract query Is composed on the basis of the plurality of logical field definitions; and
transforming the abstract query into a query consistent with the particular physical data representation according to the data abstraction model depending on which of the plurality of logical fields definitions are referenced by the abstract query, wherein each of tits logical field definitions comprises a logical field name, at least one location attribute identifying a location of physical data corresponding to the logical field name, and a reference to an access method selected from at least two different access method types; wherein each of the different access method types defines a different manner of exposing the physical data corresponding to the logical field name of the respective logical field definition.

Replace claim 46 with the following text.
46.   The computer readable medium of claim 44, wherein the access method types comprise a filtered access method defining a filter applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein the filter removes selected data from the physical data so that only a subset of the physical data is exposed by the respective logical field definition referencing the filtered access method.

Replace claim 47 with the following text.
47.   The computer readable medium of claim 44, wherein the access method types comprise a composed access method defining an expression applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein application of the expression produces values different from the physical data to which the expression is applied.

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Replace claim 49 with the following text.

49.   A computer, comprising:

a memory containing at least:

(i) a data abstraction model which maps logical fields to physical data organized according to a particular data representation, the data abstraction model comprising a plurality of logical field definitions each mapping to different elements of the data; wherein each of the logical field definitions comprises a logical field name, at least one location attribute identifying a location of physical data corresponding to the logical field name, and a reference to an access method selected from at least two different access method types; and wherein each of the different access method types defines a different manner of exposing the physical data corresponding to the logical field name of the respective logical field definition; wherein the data abstraction model is configured to be referenced by a requesting entity to compose abstract queries on the basis of the plurality of logical field definitions; and

(ii) a runtime component configured to transform an abstract query, received from the requesting entity, into a query consistent with the particular physical data representation and according to the data abstraction model depending on which of the plurality of logical fields definitions are referenced by the abstract query; and

a processor adapted to execute contents of the memory.

Replace claim 51 with the following text.

51.   The computer of claim 49, wherein the access method types comprise a filtered access method defining a filter applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein the filter removes selected data from the physical data so that only a subset of the physical data is exposed by the respective logical field definition referencing the filtered access method.

Replace claim 52 with the following text.

52.   The computer of claim 49, wherein the access method types comprise a composed access method defining an expression applied to physical data located at a location identified by a respective location attribute of a respective logical field definition, wherein application of the expression produces values different from the physical data to which the expression is applied